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The status is presented of the Federal facilities in the Region with regard to implementation of the objectives prescribed by the Clean Air Act and Executive Order 11507. Quantitative data on fuel burning, refuse disposal practices and air pollutant emissions, are included. A summary by county of fuel-use by type --coal, fuel oil, natural gas-- is presented.

17. Key Words and Document Analysis. 17a. Descriptors

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Fuel Oil
Natural Gas
Urban Areas
National Government
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Nitrogen Oxides
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Particles
Hydrocarbons

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AIR POLLUTION REPORT
FEDERAL FACILITIES

METROPOLITAN TOLEDO INTERSTATE

AIR QUALITY CONTROL REGION

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DIVISION OF ABATEMENT
NATIONAL AIR POLLUTION CONTROL
ADMINISTRATION

AUGUST 1970

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NARRATIVE

On April 13, 1970, the Metropolitan Toledo Interstate Air Quality Control Region was designated pursuant to section 107(a) of the Clean Air Act, as amended. The Region consists of Lucas and Wood Counties in Ohio and Monroe County in Michigan (Figure 1).

This report presents the ~~current~~ status of the Federal facilities in the Region with regard to implementation of the objectives prescribed by the Clean Air Act and Executive Order 11507. Quantitative data on fuel burning, refuse disposal practices and air pollutant emissions, are included. The data in this report reflect that most recently available.

Table I lists the 33 Federal facilities in the Region along with data concerning both fuel burning and refuse disposal practices for each. A summary by county of fuel-use by type --coal, fuel oil, natural gas-- is presented in Table II. There are no Federal sources of pollution which emit more than 100 tons/year (point sources) of one or more of the pollutants listed in Table III.

Within the Metropolitan Toledo Interstate Air Quality Control Region, the Federal facilities emit annually a total of 4 tons of sulfur oxides (SOX), 25 tons of nitrogen oxides (NOX), 31 tons of carbon monoxide (CO), 12 tons of particulates (PART), and 58 tons of hydrocarbons (HC). These emissions, as summarized in Table III, contribute less than 1% of the particulates and carbon monoxide and a negligible quantity of sulfur oxides emitted from all fuel combustion and refuse disposal sources within the area.

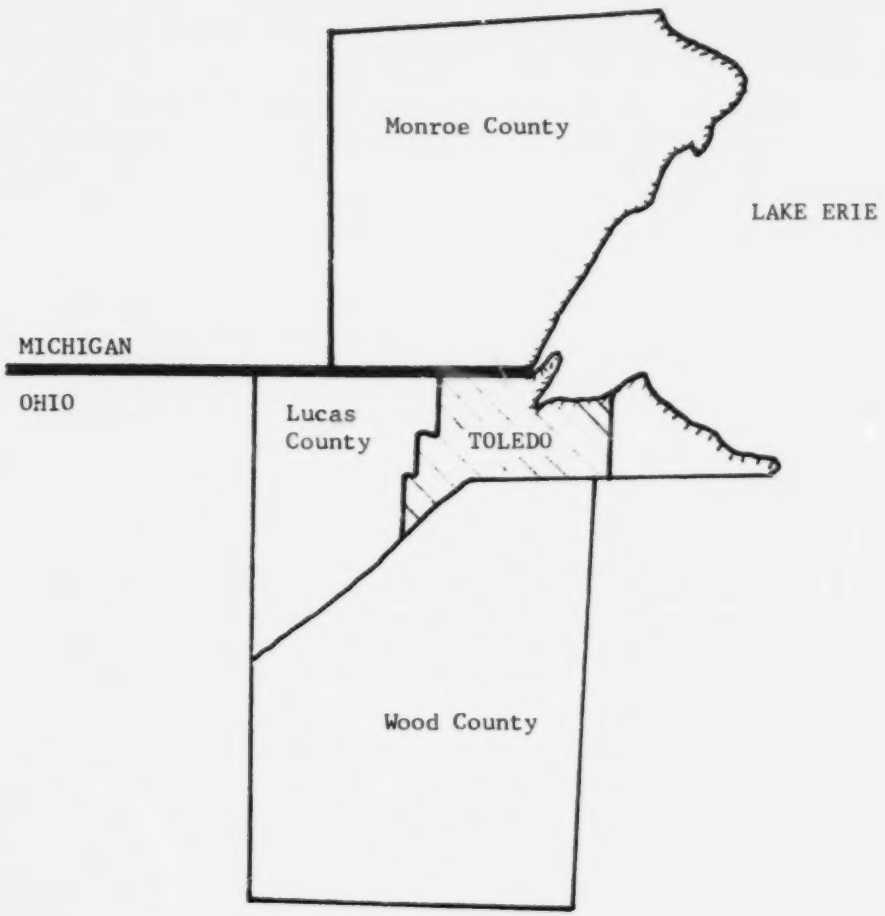

FIGURE 1

METROPOLITAN TOLEDO INTERSTATE

AIR QUALITY CONTROL REGION

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
MICHIGAN MONROE CARLETON							
FAA VTAC	0.	0.	0.	0.	0.	0.	RANGE/DIRECT DETERMINER
MICHIGAN MONROE MILAN							
FED CORREC-TIONAL INST	0.	3480.	80397.	403.	0.	0.	GENERAL INDUSTRIES
MICHIGAN MONROE MONROE							
POST OFFICE 126 S MONROE	0.	15.	38.	0.	0.	0.	REF DIS BY HAUL SOON
MONROE WATER LEVEL GAGE	0.	0.	0.	0.	0.	0.	NO POLLUTION

TABLE I

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LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
MICHIGAN MONROE TEMPERANCE							
FAA RMLR	0.	0.	0.	0.	0.	0.	RADAR MICROW TERMINAL
MICHIGAN MONROE NO CITY ID							
DETROIT RIVER LT STA	0.	0.	0.	3861.	0.	0.	REF DISPOSAL CONT HAUL
BOLLES HARBOR	0.	0.	0.	0.	0.	0.	NO DATA
NIKE DETROIT 57 C & L	0.	0.	0.	0.	0.	0.	NO DATA
OHIO LUCAS MAUMEE							
POST OFFICE 415 CONANT	0.	0.	1010.	0.	0.	0.	REF CONTRACT HAUL

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
MANHATTAN FRONT REG LT	0.	0.	0.	0.	0.	0.	UNMANNED
OHIO LUCAS SYLVANIA							
POST OFFICE 5738 MAIN	0.	0.	490.	0.	0.	0.	REF CONTRACT HAUL
OHIO LUCAS TOLEDO							
COURT AND CUSTOM HOUSE	0.	0.	13300.	0.	0.	0.	ESTIMATE(1)
FEDERAL BULD 234 SUMMIT	0.	0.	28300.	0.	0.	0.	ESTIMATE(1)
TOLEDO HAR-BOR LAND STA	0.	0.	0.	0.	0.	0.	NO FUEL BURN NO REF DISP

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	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
TOLEDO STA COAST GUARD	0.	0.	0.	13095.	0.	0.	REF DISPOSAL CONTR HAUL
CORPS OF ENG FIELD OFFICE	0.	0.	0.	0.	0.	0.	NO DATA
FAA ALSF	0.	0.	0.	0.	0.	0.	APPROACH LIGHT
FAA LOC	0.	0.	0.	0.	0.	0.	HORIZ LANDIN GUIDANCE
FAA ASR	0.	0.	0.	0.	0.	0.	SHORT RANGE RADAR
FAA MM	0.	0.	0.	0.	0.	0.	MIDDLE MARKR LANDING

TABLE I

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LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCTN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
FAA GS	0.	0.	0.	0.	0.	0.	VERT LANDING GUIDANCE
FAA RTR	0.	0.	0.	0.	0.	0.	REMOTE TRANS RECEIVER
MANHATTAN REAR RANG LT	0.	0.	0.	0.	0.	0.	UNMANNED
MAUMEE BAY CENTER DIKE	0.	0.	0.	0.	0.	0.	CORPS OF ENG NO POLLUTION
USARC TOLEDO	0.	0.	0.	0.	0.	0.	HEATED BY UNIVERSITY
AF PLANT 27	0.	0.	80001.	0.	0.	0.	TEST TET ENGINS

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
OHIO LUCAS NO CITY ID							
WEST SISTER ISLAND LIGHT	0	0.	0.	0.	0.	0.	UNMANNED
WEST SISTER ISLAND REFUG	0.	0.	0.	0.	0.	0.	UNMANNED
OHIO WOOD BOWLING GREE							
POST OFFICE 305 N MAIN	0.	0.	423.	0.	0.	0.	REF CONTRACT HAUL
FAA VTAC	0.	0.	0.	0.	0.	0.	RANGE/DIRECT DETERMINER
OHIO WOOD LUCKEY							
FAA RMLR	0.	0.	0.	0.	0.	0.	RADAR REPEAT STATION

TABLE I

FUEL USAGE AND REFUSE DISPOSAL FOR FEDERAL FACILITIES

LOCATIONS	REFUSE (LBS/DAY)		FUELS (PER YEAR)				COMMENTS
	OPEN BURNING	INCIN-ERATION	GAS (MCF)	DIST OIL (GALS)	RESID OIL (GALS)	COAL (TONS)	
OHIO WOOD PERRYSBURG POST OFFICE 117 E 2ND ST	0.	0.	499.	0.	0.	0.	REF CONTRACT HAUL
OHIO WOOD ROSSFORD USARC ARMY PLT	0.	0.	0.	0.	0.	0.	NO DATA

(1) FUEL USE ESTIMATE ON BASIS OF 0.15 MCF/SQ. FT. (FLOOR AREA)

TABLE II

ANNUAL FUEL USE BY FEDERAL FACILITIES

	COAL (TONS)	RESID OIL (GAL)	DIST OIL (GAL)	GAS (MCF)
MICHIGAN				
MONROE	0.	0.	4264.	80435.
OHIO				
LUCAS	0.	0.	13095.	123101.
WOOD	0.	0.	0.	922.
TOTAL	0.	0.	17359.	204458.

TABLE III

FEDERAL CONTRIBUTION TO AIR POLLUTION
(TONS/YEAR)

	SOX	NOX	CO	PART	HC
MICHIGAN					
MONROE	1.	5.	10.	3.	34.
STATE TOTAL	1.	5.	10.	3.	34.
OHIO					
LUCAS	3.	20.	21.	9.	24.
WOOD	neg.	neg.	neg.	neg.	0.
STATE TOTAL	3.	20.	21.	9.	24.
AREA TOTAL	4.	25.	31.	12.	58.

TABLE IV

FEDERAL POINT SOURCES
(TONS/YEAR)

SOX	NOX	CO	PART	HC

—NONE—

NOTE: A POINT SOURCE IS AN INSTALLATION WHICH EMITS OVER 100 TONS/YEAR OF ONE OR MORE OF THE FIVE POLLUTANTS.

REFERENCES AND NOTES

1. Duprey, R.L., Compilation of Air Pollutant Emission Factors, Public Health Service Publication No. 999-AP-42, 1968.

   All calculated emissions are based on these factors.

2. Report for Consultation on the Metropolitan Toledo Interstate Air Quality Control Region, Public Health Service, November 1969.

   Data on emissions from all sources used to calculate percent government contribution were obtained from this report.

3. Clean Air Act, as amended, (42 U.S.C. 1857 - 1857L) Sec 107, Sec 111. November 21, 1967.

4. Executive Order 11507, Prevention, Control, and Abatement of Air and Water Pollution at Federal Facilities, February 4, 1970.

5. Title 42 - Public Health, Chapter I, Subchapter F, Part 76, June 2, 1966.

6. Bureau of the Budget Circular A-76, August 6, 1966, and as revised May 19, 1970.

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